



DECLARATION OF PERFORMANCE

No : VW80/6.2.2023 - CPR (EU) 305/2011



Insulation board made of expanded polystyrene for use in : E.T.I.C.S.

VITEX THERM EPS-80 WHITE



airpop bianco 80



EPS-EN13163-T1-L2-W2-S2-P3-DS(N)2-DS(70,90)1-BS125-CS(10)80-TR200-SS60-GM1648-MU20-WL(T)2,5-WL(P)0,10

External Thermal Insulation Applications For Buildings

Manufacturer : **MONOSI-SYSKEVASIA S.A.**

System of AVCP : 3

Notified Laboratory : IMBiGS No 1454

The above designated product is produced in accordance with the standard :

EN 13163:2012+A2:2016 "Thermal insulation products for buildings - Factory made expanded polystyrene (EPS) products - Specification"

and fulfills the requirements for ETICS according to : **EAD 040083-00-0404** (based on Confirmation **347633 THERM / DQS / 2022-12-24**) .

Essential characteristics		Performance									Standard
Thermal conductivity λ_D		0,036 W/mK									EN12667
Thermal resistance R_D	Thickness	25mm	30mm	40mm	50mm	60mm	70mm	80mm	90mm	100mm	
	m^2k/W	0,65	0,80	1,10	1,35	1,65	1,90	2,20	2,50	2,75	
Thickness tolerances (d)		±1mm									EN823
Length tolerances (l)		±2mm									EN822
Width tolerances (b)		±2mm									EN822
Squareness tolerances on length and width (S_b)		±2mm/m									EN824
Maximum deviation from Flatness (S_{max})		3mm									EN825
Reaction to fire of the product as placed on the market		Euroclass E									EN13501-1
Durability of reaction to fire of the product as placed on the market against ageing/degradation		not changed with time									EN13163
Durability of thermal resistance and thermal conductivity against ageing/degradation		not changed with time									EN13163
Dimensional stability under constant normal laboratory conditions (23°C,50%R.H.),($\Delta\epsilon_l / \Delta\epsilon_b$)		±0,2%									EN1603
Dimensional stability under specified temperature and humidity conditions (48h,70°C,90%R.H.),($\Delta\epsilon_l, \Delta\epsilon_b, \Delta\epsilon_d$)		≤1%									EN1604
Bending strength (σ_b)		≥125 kPa									EN12089
Compressive stress at 10% deformation (σ_{10})		≥80 kPa									EN826
Tensile strength perpendicular to faces (σ_{mt})		≥200 kPa									EN1607
Short-term water absorption by partial immersion (W_{sp})		<1 kg/m ²									EN29767
Long-term water absorption by partial immersion (W_{lp})		≤0,1 kg/m ²									EN16535
Long-term water absorption by total immersion (W_{lt})		≤2,5%									EN16535
Shear strength (τ)		≥60 kPa									EN13163
Shear modulus (G)		≥1648 kPa									EN13163
Water vapour diffusion resistance factor (μ)		20-40 (1)									EN13163
Water vapour permeability (δ)		0,015-0,030 mg/(Pahm)									EN13163

EPS blocks intended to be used in an **ETICS** application are aged for at least **28** days before cut into boards.

The conformity of the product is verified by the appropriate technical documentation .

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

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February 6, 2023

Date of issue

Nikos Stousidis
General Manager

Name / Position

Sign/Signature



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